

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: Anne Corrigan

Timestamp: [year=2008; month=1; day=9; hr=14; min=14; sec=43; ms=379;]

=====

Application No: 10567168

Version No: 1.0

Input Set:**Output Set:****Started:** 2007-12-20 20:45:34.671**Finished:** 2007-12-20 20:45:37.241**Elapsed:** 0 hr(s) 0 min(s) 2 sec(s) 570 ms**Total Warnings:** 25**Total Errors:** 0**No. of SeqIDs Defined:** 25**Actual SeqID Count:** 25

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)

Input Set:

Output Set:

Started: 2007-12-20 20:45:34.671
Finished: 2007-12-20 20:45:37.241
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 570 ms
Total Warnings: 25
Total Errors: 0
No. of SeqIDs Defined: 25
Actual SeqID Count: 25

Error code

Error Description

This error has occurred more than 20 times, will not be displayed

SEQUENCE LISTING

<110> National Institute of Advanced Industrial Science and
Technology
TAKAGI, Yasuomi

<120> A method for efficient preparation of dumbbell-shaped DNA

<130> 10084.0003

<140> 10567168

<141> 2007-12-20

<150> PCT/JP04/11449

<151> 2004-08-09

<150> JP2003-206905

<151> 2003-08-08

<160> 25

<170> PatentIn version 3.4

<210> 1

<211> 245

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 1

aaggctgggc aggaagaggg cctatcttcc atgattcctt catatttgca tatacgatac 60

aaggctgtta gagagataat tagaattaat ttgactgtaa acacaaagat attagtacaa 120

aatacgtgac gtagaaagta ataatttctt gggtagtttg cagtttttaa attatgtttt 180

aaaatggact atcatatgct taccgtaact tgaaagtatt tcgatttctt ggctttatat 240

atctt 245

<210> 2

<211> 104

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 2

aatatttgca tgctgctatg tgttctggga aatcaccata aacgtgaaat gtctttggat 60

ttgggaatct tataagttct gtatgagacc acagatcgat cccc 104

<210> 3
 <211> 86
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic DNA

 <400> 3
 accggttggtt tccgtagtgt agtgggttatc acgttcgcct aacacgcgaa aggtccccgg 60

 ttcgaaaccg ggcaactacaa aaacca 86

<210> 4
 <211> 14
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic DNA

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (7)..(8)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n is a, c, g, or t

<400> 4
 ggntggnnng ntgg 14

<210> 5
 <211> 15
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic DNA

<220>
 <221> misc_feature
 <222> (3)..(3)
 <223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (7)..(9)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (12)..(12)
<223> n is a, c, g, or t

<400> 5
ggntggnnng gntgg

15

<210> 6
<211> 16
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (7)..(10)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (13)..(13)
<223> n is a, c, g, or t

<400> 6
ggntggnnnn ggntgg

16

<210> 7
<211> 17
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<220>
<221> misc_feature
<222> (3)..(3)
<223> n is a, c, g, or t

<220>

```

<221> misc_feature
<222> (7)..(11)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (14)..(14)
<223> n is a, c, g, or t

<400> 7
ggntggnnnn nggntgg
17

```

```

<210> 8
<211> 15
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 8
ggcggttcggg gggta
15

```

```

<210> 9
<211> 63
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 9
ggctatgtct aggagtgtac ctagaattac atcaagggag atgggtgcgct cctggacgta
60
gcc
63

```

```

<210> 10
<211> 53
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 10
gggtaattgg tagattaagc ggtgtgctgt cccgcttgat ctgccaattg ccc
53

```

```

<210> 11
<211> 43
<212> DNA
<213> Artificial

<220>

```

<223> synthetic DNA

<400> 11
gggaattcac ctgccggcga gggttttccc agtcacgacg ttg 43

<210> 12
<211> 46
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 12
ggctgcagac ctgccggcca ccgagcggat aacaatttca cacagg 46

<210> 13
<211> 34
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 13
ggtgtgtccg cgttggttt tgccaacgcg gaca 34

<210> 14
<211> 59
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 14
cctcggccta tagtgagtcg tattaggcgg gaaccgccta atacgactca ctataggcc 59

<210> 15
<211> 41
<212> DNA
<213> Artificial

<220>
<223> synthetic DNA

<400> 15
ttaggagttt tctcctaagc gttttcccag tcacgacgtt g 41

<210> 16
<211> 41
<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 16

ttaggagttt tctcctaagc gttttcccag tcacgacgtt g

41

<210> 17

<211> 41

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 17

ttaggagttt tctcctaagc gttttcccag tcacgacgtt g

41

<210> 18

<211> 44

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 18

ttaggtcttt tgacctaagc gagcggataa caatttcaca cagg

44

<210> 19

<211> 39

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 19

gttttcccag tcacgacgtt gaaggtcggg caggaagag

39

<210> 20

<211> 44

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 20

gagcggataa caatttcaca caggaaaaag gctacgtcca ggag

44

<210> 21
 <211> 417
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic DNA

 <400> 21
 ttaggagttt tctcctaagc gttttcccag tcacgacgtt gaaggtcggg caggaagagg 60

 gcctattttc catgattcct tcatatttgc atatacgata caaggctgtt agagagataa 120

 ttagaattaa ttgactgta aacacaaaga tattagtaca aaatacgtga cgtagaaagt 180

 aataatttct tgggtagttt gcagttttta aattatgttt taaaatggac tatcatatgc 240

 ttaccgtaac ttgaaagtat ttcgatttct tggttttata tatcttgtgg aaaggacgaa 300

 acaccggcta tgtctaggag tgtacctaga attacatcaa gggagatggg gcgctcctgg 360

 acgtagcctt tttcctgtgt gaaattgtta tccgctcgct taggtcaaaa gacctaa 417

<210> 22
 <211> 93
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic DNA

 <400> 22
 tttcccatga ttccttcata tttgcatctt accgtaactt gaaagtattt cgatttcttg 60

 gctttatata tcttgtggaa aggacgaaac acc 93

<210> 23
 <211> 109
 <212> DNA
 <213> Artificial

 <220>
 <223> synthetic DNA

 <400> 23
 tttcccatga ttccttcata tttgcatata ggactatcat atgcttaccg taacttgaaa 60

 gtatttcgat ttcttggctt tatatatctt gtggaaagga cgaaacacc 109

<210> 24
 <211> 58
 <212> DNA
 <213> Artificial

<220>

<223> synthetic DNA

<400> 24

gcagaagcta tgaaacgatt tgcttcctgt cacaaatcgt tcatagcttc tgcttttt 58

<210> 25

<211> 240

<212> DNA

<213> Artificial

<220>

<223> synthetic DNA

<400> 25

tttcccatga ttccttcata tttgcatata cgatacaagg ctgttagaga gataattaga 60

attaatttgc ctgtaaacac aaagatatta gtacaaaata cgtgacgtag aaagtaataa 120

tttcttgggt agtttgcagt tttaaaatta tgttttaaaa tggactatca tatgcttacc 180

gtaacttgaa agtatttcga tttcttggct ttatatatct tgtggaaagg acgaaacacc 240